

ABSTRACT

MULTI-CARRIER RECEIVER WITH IMPROVED RADIO FREQUENCY INTERFERENCE CANCELING

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A multi-carrier receiver selects antennas (A31, A32), i.e. carriers whereto a small amount of power and data is allocated, for estimation of characteristics of a narrowband disturber (RFI-Signal-3) in the Radio Frequency Interference band (RFI-Band), a predetermined band for e.g. 10 radio amateur transmission. These antennas (A31, A32) can be selected amongst all carriers located inside the Radio Frequency Interference band (RFI-Band) and at least two carriers (C1, C2) located outside the Radio Frequency Interference band (RFI-Band).